

Figure 1

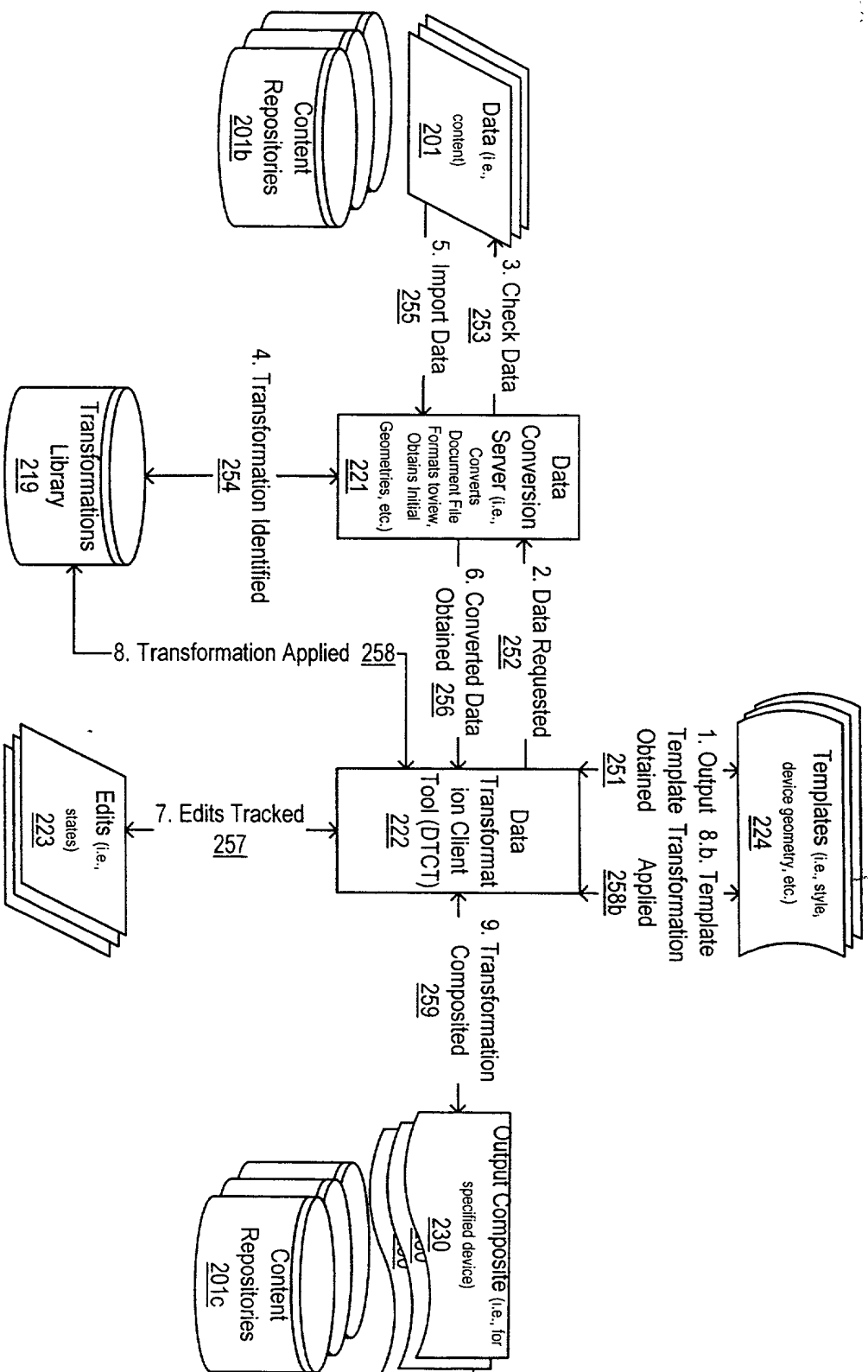


Figure 2

20090730 0932660

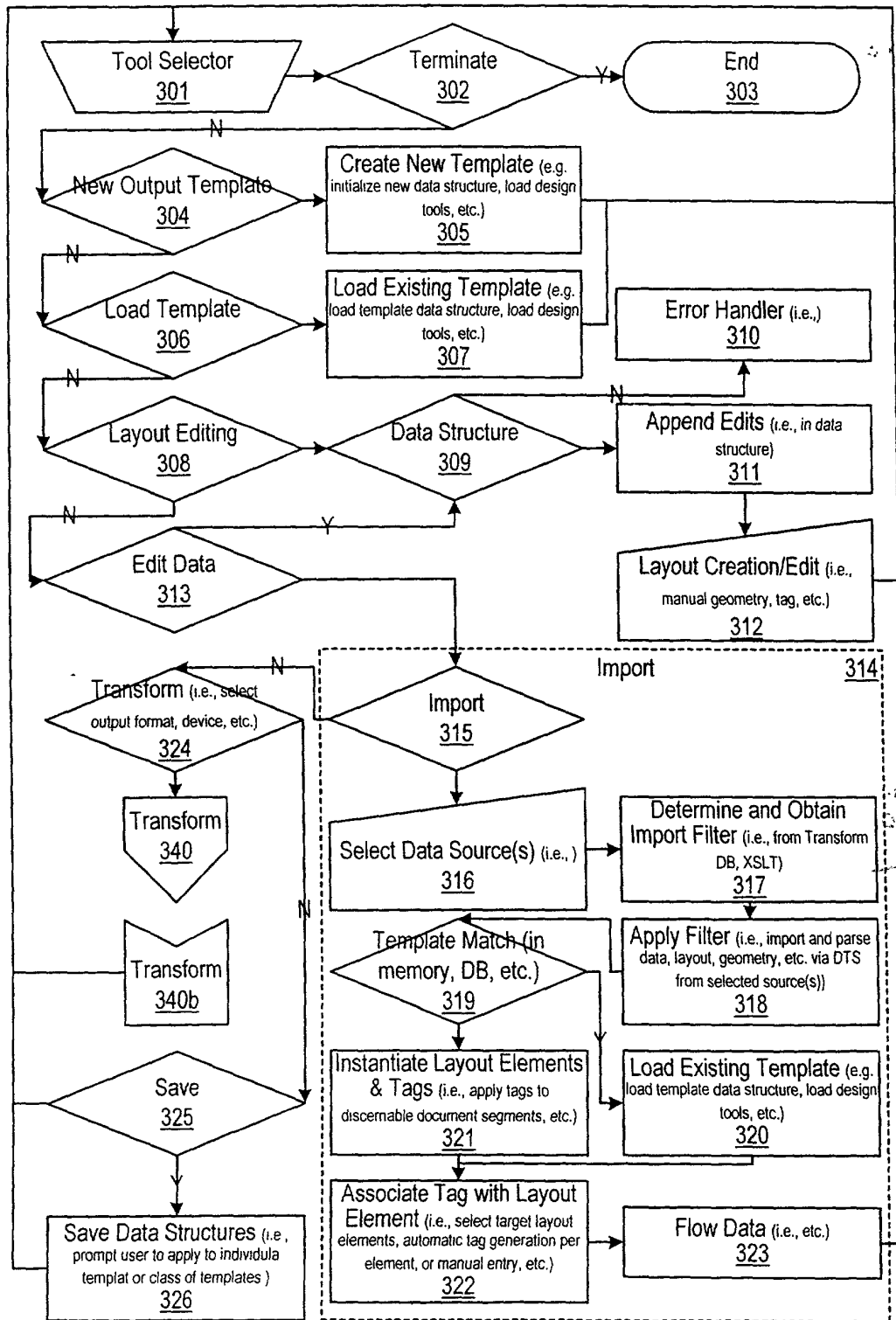


Figure 3

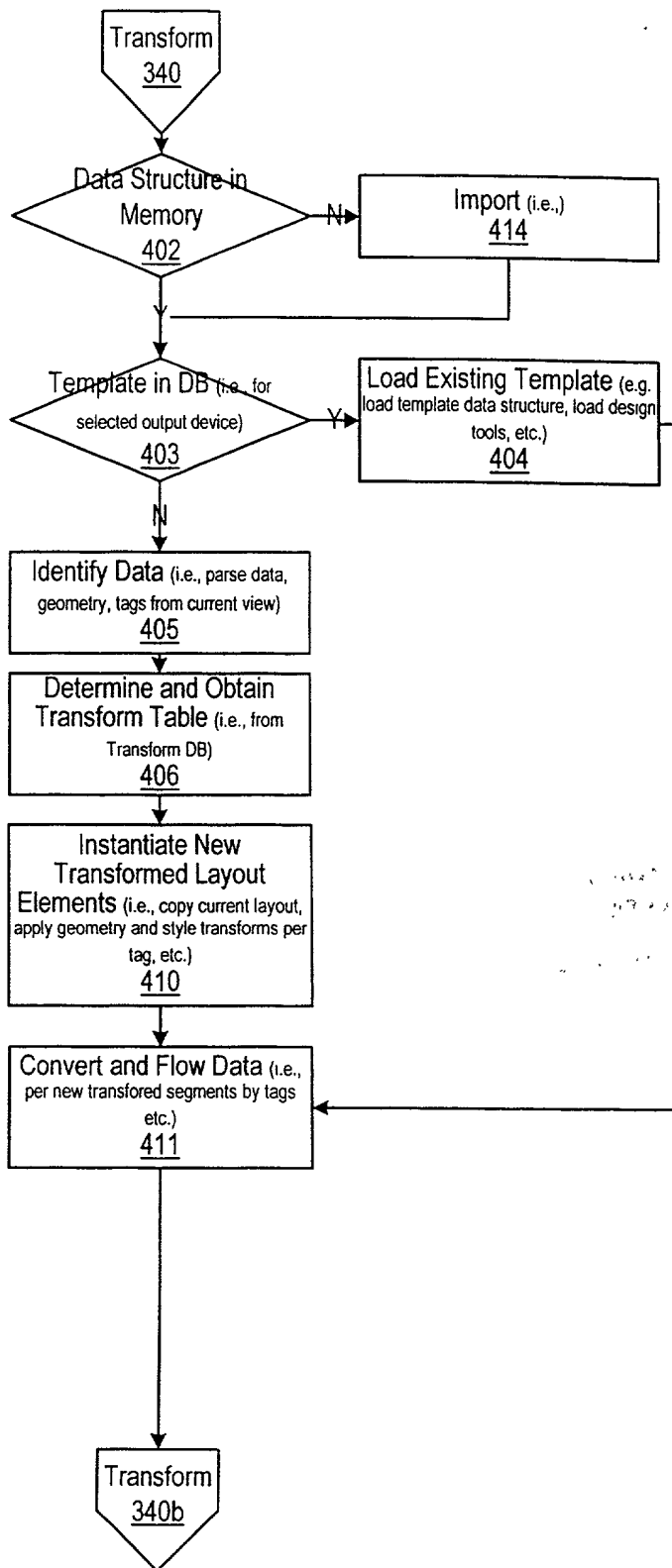


Figure 4

```

801 1 <textBox xpos="225" ypos="643.252" width="365.7266" height="21.2385"
    2 color="None" canEdit="true" zpos="0" numCols="1" angle="0"
    3 frameColor="Black" runaroundleft="15" runaroundright="6"
    4 runaroundtop="1" runaroundbottom="6" runaroundtype="" frameWidth="0">
    5     <textProperties/>
802 6     <textRange font="Times New Roman" size="9" color="heidelberg">
    7         <style name="Plain"/>
    8         <text>The 9200 is the first product from the ABC/XYZ
    9 collaboration.</text>
802 10    </textRange>
    11 </textBox>

```

Figure 8

CW Element <u>501</u>	PDF Object <u>502</u>
Page <u>503</u>	Page <u>504</u>
Text Box <u>505</u>	Rectangle <u>506</u>
Text Range <u>507</u>	Text String w/ style attributes <u>508</u>
Picture Box <u>509</u>	Rectangle <u>510</u>
Picture <u>511</u>	XObject w/ Subtype = Image; image data provided as a Stream <u>512</u>
Line <u>513</u>	Line Segment <u>514</u>

Figure 5

CW Element <u>601</u>	HTML/CSS Object <u>602</u>
Page <u>603</u>	NA <u>604</u>
Text Box <u>605</u>	<DIV> w/ border attributes <u>606</u>
Text Range <u>607</u>	<DIV> w/ style attributes and text <u>608</u>
Picture Box <u>609</u>	<DIV> w/ border attributes <u>610</u>
Picture <u>611</u>	 <u>612</u>
Line <u>613</u>	Not Supported <u>614</u>

Figure 6

```

[<command>]:
    <parameter>="<value>"
    ...
[<command>]:
    <parameter>="<value>"
    ...
[<end command>]
    ...
[<end command>]

```

Figure 7

```

// load CW document into memory
[load file]:
    file="cwDocument.xml"
    refname="cwDoc"

[import XML]:
    xml="[Action.cwDoc]"
    datatree="cwDataTree"

// find all text in XML hierarchy with a unique identifier for the textbox it resides in
[search for elements in XML datatree]:
    datatree="[Action.cwDataTree]"
    resultList="textList"
    narrowSearch="element type='text' and 1st gen. parent element name='text'"
    extractElementData="3rd gen. parent attribute 'zpos' to 'textboxId' and this element's value to 'text'"

// loop through the resulting list of text elements and write the actual text to a file specific to the enclosing textbox
[for each item in dataList]:
    dataList="[Action:textList]"
    item="textItem"
    // write the text to the appropriate file
    [export to file]:
        dataToWrite="[Action.textItem.text]"
        filename="textbox' + [Action.textItem.textboxId] + '.txt"
        append="true"
    [end for each item in dataList]

```

Figure 9

Source Format 1001	Target Format 1002	Filter 1003
XML 1004	XSL-FO 1005	Apache Xalan 1006
XSL-FO 1007	PDF 1007	Apache FOP 1008
...		
Microsoft Word (.doc) 1009	PDF 1010	Adobe Distiller 1011

Figure 10